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Figure 1

Protein-Coated DNA Vaccines

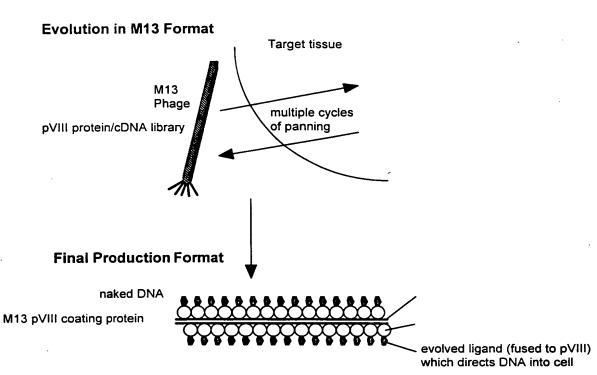


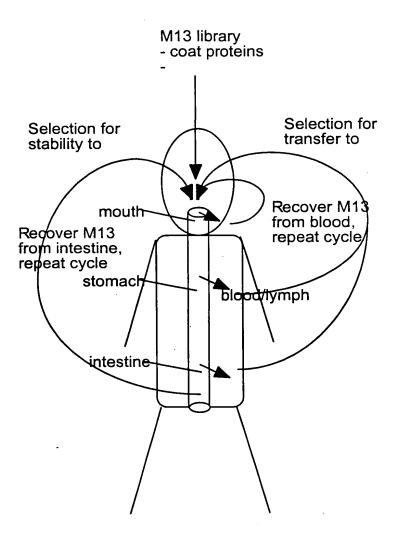






Figure 2

M13 Evolved for Oral Delivery



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ity of family shuffling.	
s illustrating the feasibil	
in DNA sequences	•
Alignment of bacterial enterotoxi	
Figure 3:	

ATGAATAAAGTAAAATGTTATGTTTTTATTTACGCGTTACTATCCTCTCTATGTGCATAC **ATGAATAAAGTAAAATGTTATGTTTTTATTTACGGCGTTACTATCCTCTCTATATGCACAC** E._coli_enterotoxin_B E._coli_enterotoxin_B_(porcine) Cholera_toxin_SubB_DNA-seq

GGAGCTCCCCAGTCTATTACAGAACTATGTTCGGAATATCGCAACACACAAATATATACG GGAGCTCCCCAGACTATTACAGAACTATGTTCGGAATATCGCAACACACAAATATATACG **ATGATTAAATTTAAAATTTGGTGTTTTTTTTTACAGTTTTTACTATCTTCAGCATATGCACAT**

121 E._coli_enterotoxin_B E._coli_enterotoxin_B_(porcine) Cholera_toxin_SubB_DNA-seq E. coli enterotoxin B E. coli enterotoxin B (porcine) Cholera_toxin_SubB_DNA-seq

ATTACATTTAAGAGCGGCGCAACATTTCAGGTCGAAGTCCCGGGCAGTCAACATATAGAC ATTACATTTAAGAGCGGCGAAACATTTCAGGTCGAAGTCCCGGGCAGTCAACATAGAC CTAAATGATAAGATATTTTCGTATACAGAATCTCTAGCTGGAAAAAGAGAGATGGCTATC

E._coli_enterotoxin_B E._coli_enterotoxin_B_(porcine) Cholera_toxin_SubB_DNA-seq

TCCCAGAAAAAAGCCATTGAAAGGATGAAGGACACATTAAGAATCACATATCTGACCGAG **TCCCAAAAAAAGCCATTGAAAGGATGAAGGACACATTAAGAATCACATATCTGACCGAG** TCACAAAAAAAGGGATTGAAAGGATGAAGGATACCCTGAGGATTGCATATCTTACTGAA

ATTACTTTTAAGAATGGTGCAACTTTTCAAGTAGAAGTACCAGGTAGTCAACATATAGAT

E. coli enterotoxin B E. coli enterotoxin B (porcine) Cholera_toxin_SubB_DNA-seq

ACCAAAATTGATAAATTATGTGTATGGAATAATAAAACCCCCAATTCAATTGCGGCAATC ACCAAAATTGATAAATTATGTGTATGGAATAATAAAACCCCCAATTCAATTGCGGCAATC GCTAAAGTCGAAAAGTTATGTGTATGGAATAATAAAACGCCTCATGCGATTGCCGCAATT

E. coli enterotoxin B E. coli enterotoxin B (porcine) Cholera_toxin_SubB_DNA-seq

E. coli enterotoxin B (porcine) Cholera_toxin_SubB_DNA-seq

AGTATGGAAAACTAG AGTATGAAAAACTAG AGTATGGCAAATTAA

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Figure 4A

Generation of human dendritic cells from blood monocytes by culture in the presence of IL-4 and GM-CSF for seven days; phenotype of the cells before and after the culture.

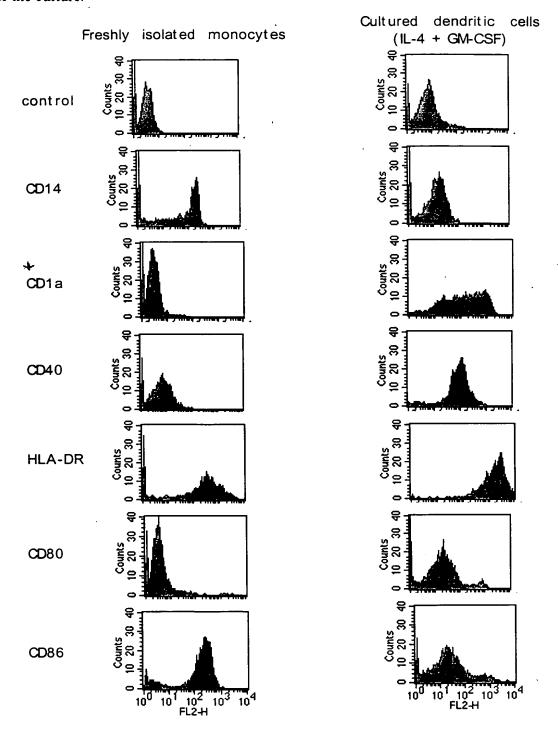
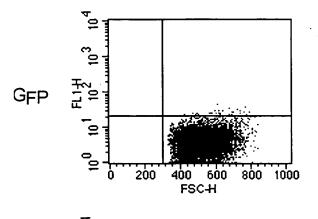


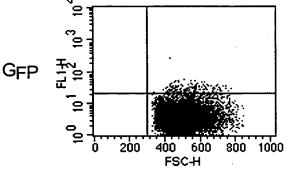
Figure 4B

Transfection of cultured dendritic cells by a plasmid encoding GFP and analysis by flow cytometry.



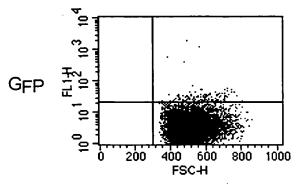
non-transfected

Quad	Events	% Gated	% Total
UL	0	0.00	0.00
UR	34	0.34	0.34
LL	0	0.00	0.00
LR	9966	99.66	99.66



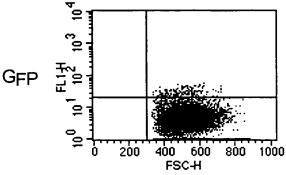
DOTAP 20ul

Quad	Events	% Gated	% Total
u.	0	0.00	0.00
UR	155	1.55	1.55
Щ	0	0.00	0.00
LR	9845	98.45	98.45



DOTAP 30ul

Quad	Events	% Gated	% Total
ÜL	0	0.00	0.00
UR	139	1.39	1.39
ш	0	0.00	0.00
LR	9861	98.61	98.61



Superfect

Quad	Events	% Gated	% Total
UL	0	0.00	0.00
UR	164	1.64	1.64
LL	0	0.00	0.00
LR	9836	98.36	98.36